

AMENDMENTS TO THE SPECIFICATION

Please amend the Heading caption on page 1 between paragraphs [0001] and [0002] of the printed publication as follows:

BACKGROUND OF THE ~~MENTION~~ INVENTION

Please amend the Heading caption on page 1, between paragraphs [0006] and [0007] of the printed publication as follows:

SUMMARY OF ~~MENTION~~ INVENTION

Please amend the paragraph starting on page 7, line 8 as follows:

~~The or each signal~~ Each processing unit 10 measures data from the sensors and updates data stored in a measurement database 44 on the central server on a regular basis by monitoring inputs on the sensors to obtain measured sensor values, as illustrated in FIG. 6. Measurements are taken periodically (step 60). Fault specific reduced data is calculated from the measurements (step 62) for each of the possible faults. The reduced data is then compared (step 64) with data stored in measurements database 44, and if there is a significant change the data in database 44 is updated (step 66). Otherwise, the new reduced data is discarded. In this way, vast amounts of identical data are not stored in the measurements database 44, thereby keeping measurements database 44 manageable.

Please amend the paragraph on page 8, starting at line 8 as follows:

FIG. 3 also illustrates the storage used at various points of the method. Reduced datasets obtained from measurements are stored in the database 44. A further database 46 stores the configuration of the equipment, and a yet further ~~database store~~ 48 stores a fault library, including

